

In the Claims:

1 1. (original) A control method for controlling the operating
2 mode of an IC engine, in which a control device comprises
3 a device for sampling signals, a downstream arranged device
4 for frequency analysis and a downstream arranged device for
5 cylinder classification, in which at first a speed signal
6 is detected and subsequently the speed signal is
7 transformed into an angle-frequency-range, characterized in
8 that the transformation is effected by means of a
9 Hartley-transformation.

1 2. (original) A method according to claim 1, characterized in
2 that an engine smoothness control is performed, in which
3 the uneven running of an IC engine is detected and
4 controlled.

Claims 3 to 23 (canceled).

[REMARKS FOLLOW ON NEXT PAGE]